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19 February 1952

Thru : Chief, D/I
I/Air

Special Requirements/Czecho/Air

A. The following plants are of interest to this Branch:

Avia at Cakovice
Aero at Vysocany
Otrokovice at Otrokovice (formerly Bata)
Avia at Kunovice
MRAZ BENES at Chocen
CKD at Prague - Karlin

B. For the above plants and localities:

1. What is the lay-out of the plant? What is the total roofed area? Total productive area? How much of it has been built (or rebuilt) since 1945?

2. What proportion of the plant areas (by individual plant) is devoted to, a) storage, b) administration other than design, c) design work, d) inspection, e) testing, f) other activities not contributing directly to production?

3. Can you describe the flow of the work on the assembly line? Is the worker kept supplied with tools and materials at his place of work? For example; must the worker leave the area of his work to get rivets?

4. For how many workers were these plants designed? For how many shifts? If more than one shift, how many workers on each specific shift?

5. How many workers and shifts are actually being used, specifying number for each shift indivudually?

6. What percentage of the total workers are engaged in administration, supervision, maintenance, inspection and other tasks not contributing directly to production?

7. Are there any dissatisfactions among the workers which hamper their productive efforts?

8. To what extent are workers kept idle for any reason, such as delay in delivery of materials, uneven distribution of work within the plant, rejection of sub-assemblies, etc?

9. Are the plants designed for a certain floor space per worker? How much? In the primary productive areas or total? In this respect, are the plants utilized in accordance with design-intentions? If not, how does utilization differ?

10. In case of emergency, could the workers be spurred into a significantly greater effort?

11. What air temperature is maintained within the plant buildings during cold weather?

12. What illumination (type and intensity) are the plant buildings designed for? How does this vary with function, i.e., final assembly, inspection, sub-assembly, machine work, storage, etc.? Is the intended illumination actually provided? If not, how does it differ from intention?

13. What type or types of aircraft are being produced? In what quantity?

14. Is anything other than aircraft produced in these plants? If so, what proportion of the plant facilities (in area, number of workers, time, etc.) is used for non-aircraft production?

15. How many of the parts going into aircraft production were the plants designed to produce right in the plant area, such as screws, bolts, rivets, angle iron, instruments, engines, etc.? To what extent are they actually doing this?

16. Is a stock of aircraft raw materials maintained in the plant area, such as sheet aluminum, etc? If so, enough to keep the plant supplied for how long if no deliveries were made?

17. Are sub-assemblies ever brought in from other factories; for example, tail assemblies, wing panels, etc.

18. Describe the source of electrical power of these plants. Is the power generated by the plant, or does the plant receive power from an outside source? How is the electrical power produced - by coal, oil, water?

19. Description of tools used in aircraft production. What is the most common method of working presses of various sizes - pneumatic, hydraulic, mechanical, manual labor? What is the most common source of power for small operations in drilling and riveting - electricity or manual labor?

NOTE: We are exceedingly interested in worker productivity so as to be able to make some kind of comparison between the Communist worker and the American worker as to relative efficiency. Therefore any information on working conditions, adequacy of pay, scarcity of food, psychological ravages of insecurity, and any other factors which might affect morale and in turn decrease or improve productivity, would be much appreciated.

Many of the foregoing points would apply to plants other than aircraft which might come within your scope.

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